Woodsmith®

Bit Speed Chart

Twist/Brad Point Bit	Softwoods RPM	Hardwoods RPM	Aluminum/Brass RPM	Mild Steel RPM
1/16"-3/16"	2500	2200	1250	1700
1/4"-3/8"	1900	1700	1000	1250
7/16"-3/4"	1000	1000	700	800
Spade/Forstner Bit				
3/8"-5/8"	2000	1600	x	x
11/16"-1"	1200	1000	x	x
1 1/16"-1 7/16"	800	600	x	x
2"-3"	500	450	x	x
Hole Saws				
1/2"-3/4"	500	500	650*	500*
1"-1 3/4"	300	300	300*	250*
2"-2 1/2"	200	200	200*	170*
3"-4"	100	100	100*	100*
5"	75	75	75*	75*

* When cutting metal with a hole saw, use lubricating oil for smoother cutting and to help cool the saw.

All speeds are approximate. When possible, use the slowest speed recommended by the manufacturer of the bit for material being cut.

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